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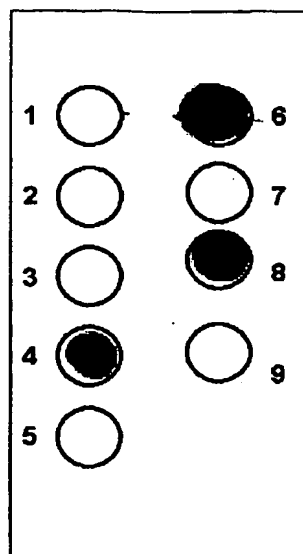
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(54) Title: **POLYPEPTIDES COMPRISING THE PLECKSTRIN HOMOLOGY DOMAIN OF ECT2 AND THEIR BINDING  
SPECIFICITIES TO PHOSPHATIDYLINOSITOLS**



- |   |                                       |
|---|---------------------------------------|
| 1 | Phosphatidyl choline                  |
| 2 | Phosphatidyl ethanolamine             |
| 3 | Phosphatidyl inositol                 |
| 4 | Phosphatidyl inositol – 3 phosphate   |
| 5 | Phosphatidyl inositol – 4 phosphate   |
| 6 | Phosphatidyl inositol – 5 phosphate   |
| 7 | Phosphatidyl inositol – 3,4 phosphate |
| 8 | Phosphatidyl inositol – 3,5 phosphate |
| 9 | Phosphatidyl inositol – 4,5 phosphate |

(57) Abstract: The present invention relates to the specific lipid binding ability of the PH domain of Ect 2. In particular, the invention relates to an isolated DH-PH tandem domain derived from the Ect 2 sequence and having the sequence as set out in DNA sequence 1 (SEQ ID NO:1) and uses thereof as well as methods of screening for agents that modulate the cell cycle activity of Ect 2 and the interaction of the Ect 2 PH domain with a PI.

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